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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	

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Application Number	To be assigned	
Filing Date	Herewith	
First Named Inventor	KRUPKA	
Art Unit	To be assigned	
Examiner Name	To be assigned	
Attomey Docket Number	05552.1464-00	

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner	Cite	Document Number	Issue or	Name of Patentee or	Pages, Columns, Lines, Where
Initials No.1	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
84	-	US-5,531,990	07-02-1996	Y. THANAVALA et al.	
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶	
Sh		EP 1 142 906 A1	10- 10- 2001	J. ZHENG			
Sn		EP 1 174 523 A2-A3	01- 23- 2002	W. N. CHEN et al.			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
Sh		S. J. FRIEZNER DEGEN et al., "The Murine Urokinase-Type Plasminogen Activator Gene," <i>Biochemistry</i> , 26: 8270-8279 (1987)	
8h		K. M. WEINBERGER et al., "High genetic variability of the group-specific a-determinant of hepatitis B virus surface antigen (HBsAg) and the corresponding fragment of the viral polymerase in chronic virus carriers lacking detectable HBsAg in serum," Journal of General Virology, 81: 1165-1174 (2000)	
,5h		M. P. COOREMAN et al., "Characterization of the Reactivity Pattern of Murine Monoclonal Antibodies Against Wild-Type Hepatitis B Surface Antigen to G145R and Other Naturally Occuring "a" Loop Escape Mutations," Hepatology, 11: 1287-1292 (1999)	
8n		W. F. CARMAN et al., "Fulminant reactivation of hepatitis B due to envelope protein mutant that escaped detection by monoclonal HBsAg ELISA," The Lancet, 345: 1406-1407 (1995)	
Sh		H-L. CHIOU et al., "Altered antigenicity of 'a' determinant variants of hepatitis B virus," Journal of General Virology, 78: 2639-2645 (1997)	
8n		Sequence No. Q96841 from: M. T. MORAES et al., "Sequence analysis of pre-S/S gene of hepatitis B virus strains of genotypes A, D, and F isolates," <i>Arch. Virol.</i> , 141:1767-1773 (1996)	
Sn		Sequence No. EMBL: AB104715 from: N. SAUDY et al., "Genotypes and phylogenetic characterization of hepatitis B and delta viruses in Egypt," <i>Journal of Medical Virology</i> , 70(4): 529-536 (2003)	
8n		Sequence No. AF280817 from: L. YAN et al., "First Chinese HBV strain: genotype D complete sequence report," submitted (21 JUN 2000).	
8n		Sequence No. EMBL: HEB297881 from: L.F. LIU, "Wide variety of genotypes and geographical origins of hepatitis B virus in Belgian children."	
Sh		Sequence No. EMBL: HEB214660 from: I. BORCHANI-CHABCHOUB, "Genotyping of Tunisian hepatitis B virus isolates based on the sequencing of preS2 and S regions," <i>Microbes Infect.</i> , 2(6): 607-612 (2000)	

Examiner Signature	Snaws	Heur	Date Considered	Dec 21, 2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/561,343			
Filing Date	December 20, 2005			
First Named Inventor	KRUPKA			
Art Unit				
Examiner Name				
Attomey Docket Number	05552.1464			

	U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS				
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FOREIGN PATENT DOCUMENTS					
Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
	WO-02/079217 A1	10-10-2002	ABBOTT LABORATORIES		
		Cite No.1 Foreign Patent Document Country Code3 Number4 Kind Code5 (# known)	Cite No.¹ Foreign Patent Document Country Code³ Number⁴ Kind Code⁵ (# known) Publication Date MM-DD-YYYY	Cite No.1 Foreign Patent Document Publication Date MM-DD-YYYY Applicant of Cited Document Country Code3 Number4 Kind Code5 (# known)	Cite No.¹ Foreign Patent Document Publication Date MM-DD-YYYY Applicant of Cited Document Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

	· .	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
Sh		LEE; "HEPATITIS B VIRUS INFECTION"; The New England Journal of Medicine, Vol. 337, No. 24, pages 1733-1745, (1997)	
Sh		TIOLLAIS et al.; "THE HEPATITIS B VIRUS"; Nature, Vol. 317, pages 489-495, (1985)	
Sh		GERLICH et al.; "FUNCTIONS OF HEPATITIS B VIRUS PROTEINS AND VIRUS ASSEMBLY"; Viral Hepatitis and Liver Disease, pages 121-134, (1991)	
Sh		BLUM; "VARIANTS OF HEPATITIS B, C AND D VIRUSES: MOLECULAR BIOLOGY AND CLINICAL SIGNIFICANCE"; Digestion, Vol. 56, pages 85-95, (1995)	
8h		OKAMOTO et al; "GENOMIC HETEROGENEITY OF HEPATITIS B VIRUS IN A 54-YEAR-OLD WOMAN WHO CONTRACTED THE INFECTION THROUGH MATERNO-FETAL TRANSMISSION"; Japan. J. Exp. Med., Vol. 57, No. 4, pages 231-236, (1987)	
Sh		CARMAN et al.; "VIRAL GENETIC VARIATION: HEPATITIS B VIRUS AS A CLINICAL EXAMPLE"; The Lancet, Vol. 341, pages 349-353, (1993)	
811		COUTROUCÉ et al.; "BIBLIOTHECA HAEMATOLOGICA No. 42"; pages 1-19, (1976)	
Sn		NORDER et al.; "MOLECULAR BASIS OF HEPATITIS B VIRUS SEROTYPE VARIATIONS WITHIN THE FOUR MAJOR SUBTYPES"; Journal of General Virology, Vol. 73, pages 3141-3145, (1992)	
8h		NORDER et al.; "COMPLETE GENOMES, PHYLOGENETIC RELATEDNESS, AND STRUCTURAL PROTEINS OF SIX STRAINS OF THE HEPATITIS B VIRUS, FOUR OF WHICH REPRESENT TWO NEW GENOTYPES"; Virology, Vol. 198, pages 489-503, (1994)	
Sh		COOREMAN et al.; "CHARACTERIZATION OF THE REACTIVITY PATTERN OF MURINE MONOCLONAL ANTIBODIES AGAINST WILD-TYPE HEPATITIS B SURFACE ANTIGEN TO G145R AND OTHER NATURALLY OCCURRING "a" LOOP ESCAPE MUTATIONS"; Hepatology, Vol. 30, No. 5, pages 1287-1292, (1999)	
Sh		TERRAULT et al.; "INCIDENCE AND CLINICAL CONSEQUENCES OF SURFACE AND POLYMERASE GENE MUTATIONS IN LIVER TRANSPLANT RECIPIENTS ON HEPATITIS B IMMUNOGLOBULIN", Hepatology, Vol. 28, No. 2, pages 555-561, (1998)	
8h		TILLMAN et al.; "MUTATIONAL PATTERN OF HEPATITIS B VIRUS ON SEQUENTIAL THERAPY WITH FAMCICLOVIR AND LAMIVUDINE IN PATIENTS WITH HEPATITIS B VIRUS REINFECTION OCCURRING UNDER HBIg IMMUNOGLOBULIN AFTER LIVER TRANSPLANTATION"; Hepatology, Vol. 30, No. 1, pages 244-256, (1999)	
Sh		HUNT et al.; "CLINICAL RELEVANCE OF HEPATITIS B VIRAL MUTATIONS", Hepatology, Vol. 31, No. 5, pages 1037-1044, (2000)	
52		COOREMAN et al.; "VACCINE-AND HEPATITIS B IMMUNE GLOBULIN-INDUCED ESCAPE MUTATIONS OF HEPATITIS B VIRUS SURFACE ANTIGEN"; J. Biomed. Sci., Vol. 8, pages 237-247, (2001)	
8n		PETERSON et al.; "ANTIGENIC STRUCTURE OF HEPATITIS B SURFACE ANTIGEN: IDENTIFICATION OF THE "d" SUBTYPE DETERMINANT BY CHEMICAL MODIFICATION AND USE OF MONOCLONAL ANTIBODIES"; The Journal of Immunology, Vol. 132, No. 2, pages 920-927, (1984)	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	3

С	omplete if Known	
Application Number	10/561,343	
Filing Date	December 20, 2005	
First Named Inventor	KRUPKA	
Art Unit		
Examiner Name		
Attomey Docket Number	05552.1464	

	NON PATENT LITERATURE DOCUMENTS	
	JILG; "NOVEL HEPATITIS B VACCINES"; Vaccine, Vol. 16, pages S65-S68, (1998)	
8h	CARMAN et al.; "HEPATITIS B VIRUS ENVELOPE VARIATION AFTER TRANSPLANTATION WITH AND WITHOUT HEPATITIS B IMMUNE GLOBULIN PROPHYLAXIS"; Hepatology, Vol. 24, No. 3, pages 489-493, (1996)	
54	MÜLLER et al.; "LIVER TRANSPLANTATION IN HBs ANTIGEN (HBsAg) CARRIERS PREVENTION OF HEPATITIS B VIRUS (HBV) RECURRENCE BY PASSIVE IMMUNIZATION"; Journal of Hepatology, Vol. 13, pages 90-96, (1991)	
5n	SAMUEL et al.; "LIVER TRANSPLANTATION IN EUROPEAN PATIENTS WITH THE HEPATITIS B SURFACE ANTIGEN"; The New England Journal of Medicine, Vol. 329, No. 25, pages 1842-1847, (1993)	
Sh	BRIND et al.; "EVIDENCE FOR SELECTION OF HEPATITIS B MUTANTS AFTER LIVER TRANSPLANTATION THROUGH PERIPHERAL BLOOD MONONUCLEAR CELL INFECTION"; Journal of Hepatology, Vol. 26, pages 228-235, (1997)	
Sh	FISHER et al.; "HEPATITIS B VIRUS VARIANTS ASSOCIATED WITH CLINICALLY SEVERE RECURRENCE AFTER LIVER TRANSPLANTATION"; Transplantation Proceedings, Vol. 31, pages 492-493, (1999)	
Sh	GHANY et al.; "HEPATITIS B VIRUS S MUTANT IN LIVER TRANSPLANT RECIPIENTS WHO WERE REINFECTED DESPITE HEPATITIS B IMMUNE GLOBULIN PROPHYLAXIS"; Hepatology, Vol. 27, No. 1, pages 213-222, (1998)	
Sh	PROTZER-KNOLLE et al.; "HEPATITIS B VIRUS WITH ANTIGENICALLY ALTERED HEPATITIS B SURFACE ANTIGEN IS SELECTED BY HIGH-DOSE HEPATITIS B IMMUNE GLOBULIN AFTER LIVER TRANSPLANTATION"; Hepatology, Vol. 27, No. 1, pages 254-263, (1998)	
Sh	CARMAN et al.; "GENETIC VARIATION IN HEPATITIS B VIRUS"; Gastroenterology, Vol. 102. No. 2, pages 711-719, (1992)	
Sh	CARMAN; "THE CLINICAL SIGNIFICANCE OF SURFACE ANTIGEN VARIANTS OF HEPATITIS B VIRUS"; Journal of Viral Hepatitis, Vol. 4, Suppl. 1, pages 11-20, (1997)	
571	SWENSON et al.; "DETERMINATION OF HBSAG SUBTYPES IN DIFFERENT HIGH RISK POPULATIONS USING MONOCLONAL ANTIBODIES"; Journal of Virological Methods, Vol. 33, pages 27-38, (1991)	
Sh	BLITZ et al.; "ANTIGENIC DIVERSITY OF HEPATITIS B VIRUS STRAINS OF GENOTYPE F IN AMERINDIANS AND OTHER POPULATION GROUPS FROM VENEZUELA"; Journal of Clinical Microbiology, Vol. 36, No. 3, pages 648-651, (1998)	
8n	ASHTON-RICKARDT et al.; "MUTATIONS THAT CHANGE THE IMMUNOLOGICAL SUBTYPE OF HEPATITIS B VIRUS SURFACE ANTIGEN AND DISTINGUISH BETWEEN ANTIGENIC AND IMMUNOGENIC DETERMINATION", Journal of Medical Virology, Vol. 29, pages 204-214, (1989)	
Sh	OHBA et al.; "RELATIONSHIPS BETWEEN SEROTYPES AND GENOTYPES OF HEPATITIS B VIRUS: GENETIC CLASSIFICATION OF HBV BY USE OF SURFACE GENES"; Virus Research, Vol. 39, pages 25-34, (1995)	
84	CARMAN et al.; "FULMINANT REACTIVATION OF HEPATITIS B DUE TO ENVELOPE PROTEIN MUTANT THAT ESCAPED DETECTION BY MONOCLONAL HBSAg ELISA"; The Lancet, Vol. 345, pages 1406-1407, (1995)	
5h	OKAMOTO et al.; "MUTATIONS WITHIN THE S GENE OF HEPATITIS B VIRUS TRANSMITTED FROM MOTHERS TO BABIES IMMUNIZED WITH HEPATITIS B IMMUNE GLOBULIN AND VACCINE"; Pediatric Research, Vol. 32, No. 3, pages 264-268, (1992)	
Sh	ZHANG et al.; "INCREASING HETEROGENEITY OF THE 'a' DETERMINANT OF HBsag FOUND IN THE PRESUMED LATE PHASE OF CHRONIC HEPATITIS B VIRUS INFECTION"; Scand. J. Infect. Dis. Vol. 28, pages 9-15, (1996)	
Sn	ZUCKERMAN et al.; "MUTATIONS IN S REGION OF HEPATITIS B VIRUS"; The Lancet, Vol. 343, pages 737-738, (1994)	
571	SMITH et al.; "COMPARISON OF BIOSEQUENCES"; Advances in Applied Mathematics, Vol. 2, pages 482-489, (1981)	
511	SCHWARTZ et al.; "MATRICES FOR DETECTING DISTANT RELATIONSHIPS"; Atlas of Protein Sequence and Structure, pages 353-358, (1978)	
Sr	GRIBSKOV et al.; SIGMA FACTORS FROM E.COLI, B. SUBTILIS, PHAGE SP01, AND PHAGE T4 ARE HOMOLOGOUS PROTEINS"; Nucleic Acids Research, Vol. 14, No. 16, pages 6745-6763, (1986)	
EN	SAMBROOK et al.; "MOLECULAR CLONING: A LABORATORY MANUAL, 2" EDITION"; Cold Spring Harbor Laboratory Press, New York, pages i-xxxviii, (1989)	
5n .	AUSUBEL et al.; "A COMPENDIUM OF METHODS FROM CURRENT PROTOCOLS IN MOLECULAR BIOLOGY"; Short Protocols in Molecular Biology, 2 nd Edition, John Wiley & Sons, pages iii-xviii, (1992)	
8n	KOEHLER et al.; "CONTINUOUS CULTURES OF FUSED CELLS SECRETING ANTIBODY OF PREDEFINED SPECIFICITY"; Nature, Vol. 256, pages 495-497, (1975)	

Complete if Known IDS Form PTO/SB/08: Substitute for form 1449A/PTO Application Number 10/561,343 Filing Date **INFORMATION DISCLOSURE** December 20, 2005 First Named Inventor KRUPKA STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) Examiner Name Sheet Attorney Docket Number 05552.1464

NON PATENT LITERATURE DOCUMENTS	
MIMMS et al.; "DISCRIMINATION OF HEPATITIS B VIRUS (HBV) SUBTYPES USING MONOCLONAL ANTIBODIES TO THE PreS1 AND PreS2 DOMAINS OF THE VIRAL ENVELOPE"; Virology, Vol. 176, Pages 604-619, (1990)	

Examiner /		Date	
	kut	Considered	Dec 21,2006

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Sheet	1 1	of	1	Attorney Docket Number	05552.1464-00	TRANSPORTER

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	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Initials No. (book, magazine, Journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
<i>8</i> 7		R. SCOPES, Protein Purification: Principles and Practice (3rd edition), Springer Verlag (1994), table of contents only.				
5h		E. HARLOW et al., Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory Press (1988), table of contents only.				
						
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Examiner Signature	Shawn	Hent	Date Considered	Der 21,2006

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